BRUHATH BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements of re-asphalting Dasarahalli Main Road & other Roads Dasarahalli in Ward No:15

DETAILED ESTIMATE

Ward No. 15						Est. Cost		5000000.00
Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
1	2	3	4	5	6	7	8	9
1	Removing BS Slab of drain and Stacking (Page No.25,Ino.5.32 of KPWD S.R.2016-17)							
	1st Main Road NH4 Service road to Nelamageshwaramma Temple Main Road							
		2	410.00	0.90		738.00		
	6th Cross from 1st Main to CC Road							
		2	100.00	0.90		180.00		
	7th Cross from 1st Main to Cross Road							
		2	100.00	0.90		180.00		
						1098.00		
	Less Broken & Missing Slabs 20%					**219.60**		
						878.40	**65.72**	**57728.00**
							Per Sqm	
	CSR of 2016-17							
	Basic Rate		62.00					
	Add A.W. 6%		3.72					
	TOTAL		**65.72**					
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.142..,I.No.19.1 of KPWD S.R 2016-17)							
	1st Main Road NH4 Service road to Nelamageshwaramma Temple Main Road							
		2	410.00	0.60	0.60	295.20		
	6th Cross from 1st Main to CC Road							
		2	100.00	0.60	0.60	72.00		
	7th Cross from 1st Main to Cross Road							
		2	180.00	0.60	0.60	129.60		

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	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
						496.80	86.92	43182.00
							Per Cum	
	CSR of 2016-17							
	Basic Rate		82.00					
	Add A.W. 6%		4.92					
	TOTAL		86.92					
3	Refixing Stone Slabs of drains and Pointing in C.M(1:3) (Page No.28 I.No. 5.33 of KPWD S.R 2016-17)							
	Qty vide Item No: 1					878.40		
						878.40	80.56	70764.00
							Per Sqm	
	CSR of 2016-17							
	Basic Rate		76.00					
	Add A.W. 6%		4.56					
	TOTAL		80.56					
4	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data rate							
	Broken & Missing Slabs in Item No: 1					219.60		
						219.60	1834.00	402746.00
							Per Cum	
5	Providng, laying, spreading and compacting crushed stone aggregates of granite/trap/basalt to Wet Mix Macadam specification including premixing the material with water of OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specfications. MORTH Specification NO.406 (Page No. 158,I.No.20.18 of KPWD S.R 2016-17)							
	1st Main Road NH4 Service road to Nelamageshwaramma Temple Main Road							
		4	3.00	2.70	0.250	8.10		
		5	4.00	3.20	0.250	16.00		
		10	3.50	3.00	0.250	26.25		

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	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
		12	4.10	4.00	0.250	49.20		
	6th Cross from 1st Main to CC Road							
		4	3.00	3.00	0.250	9.00		
		5	4.00	2.00	0.250	10.00		
	7th Cross from 1st Main to Cross Road							
		3	3.00	2.50	0.250	5.63		
		2	4.00	2.00	0.250	4.00		
						128.18	**1768.08**	**226624.00**
							Per Cum	
	CSR of 2016-17							
	Basic Rate	1668.00						
	Add A.W. 6%	100.08						
	TOTAL	**1768.08**						
6	KSRRB-3000 Filling Pot-holes and Patch Repairs with Bituminous Concrete, 40 mm KSRRB M3000-5. Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, applying tack coat on the sides and base of excavation at 2.5kg/sqm as per clause 500.3, back filling the pot holes with hot bituminous material as per clause 500.4, compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 complete as per specifications MORTH Specification No. 3004.2 (Page NO.257., I. no.35.5 of KPWD S.R 2016-17)							
	1st Main Road NH4 Service road to Nelamageshwaramma Temple Main Road							
		4	3.00	2.70		32.40		
		5	4.00	3.20		64.00		
		10	3.50	3.00		105.00		
		12	4.10	4.00		196.80		
	6th Cross from 1st Main to CC Road							
		4	3.00	3.00		36.00		
		5	4.00	2.00		40.00		
	7th Cross from 1st Main to Cross Road							
		3	3.00	2.50		22.50		
		2	4.00	2.00		16.00		
						512.70	**302.10**	**154887.00**

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	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
							Per Sqm	
	CSR of 2016-17							
	Basic Rate		285.00					
	Add A.W. 6%		17.10					
	TOTAL		302.10					
7	KSRRB 500-2 : Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to rceive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (Page No.160, Item No. 21.2 of KPWD S.R.2016-17))							
	1st Main Road NH4 Service road to Nelamageshwaramma Temple Main Road							
		1	431.00	6.50		2801.50		
	6th Cross from 1st Main to CC Road							
		1	100.00	5.60		560.00		
	7th Cross from 1st Main to Cross Road							
		1	100.00	4.75		475.00		
	Nelamageshwaramma Main Road							
		1	190.00	7.00		1330.00		
						5166.50	3.18	16429.00
							Per Sqm	
	CSR of 2016-17							
	Basic Rate		3.00					
	Add A.W. 6%		0.18					
	TOTAL		3.18					
8	KSRRB 500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 (Page No.160, Item No. 21.7 of KPWD S.R.2016-17)							
	1st Main Road NH4 Service road to Nelamageshwaramma Temple Main Road							
		1	431.00	6.50		2801.50		

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	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	6th Cross from 1st Main to CC Road							
		1	100.00	5.60		560.00		
	7th Cross from 1st Main to Cross Road							
		1	100.00	4.75		475.00		
	Nelamageshwaramma Temple Main Road							
		1	190.00	7.00		1330.00		
						5166.50	**11.66**	**60241.00**
							Per Sqm	
	CSR of 2016-17							
	Basic Rate	11.00						
	Add A.W. 6%	0.66						
	TOTAL	**11.66**						
9	KSRRB M500-11 : Providing and laying bituminous Macamdam on prepared surface with crushed coarse aggregates as design mix for base/binding course including loading of agregates with F.E loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity transporting the mixed material in tipper to paver and laying mixed materials paver finisher to the required level and grade, roo lling by power roller to achieve the desired density but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour HOM of machineries complete as per specifications using TPH capacity HMP with sensor paver Gr-II (50mm to 75mm) with 3.3% VG-30 Bitumen(Page No.161, Item No. 21.11.5 of KPWD S.R.2016-17)							
	1st Main Road NH4 Service road to Nelamageshwaramma Temple Main							
	Profile Correction							
		1	431.00	3.00	0.050	64.65		
	Nelamageshwaramma Temple Main Road							
		1	190.00	3.00	0.050	28.50		
						93.15	**5546.98**	**516701.00**
							Per Cum	
	CSR of 2016-17							
	Basic Rate	5233.00						
	Add A.W. 6%	313.98						
	TOTAL	**5546.98**						

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	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
10	KSRRB M500-19 : Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications.MORTH specification no.509 using 40-60 TPH capacity HMP with Sensor paver Gr- II (30mm to 45mm) with 6% VG-30 bitumen (Page No.165, Item No. 21.23.12 of KPWD S.R.2016-17)							
	1st Main Road NH4 Service road to Nelamageshwaramma Temple Main							
		1	431.00	6.50	0.040	112.06		
	6th Cross from 1st Main to CC Road							
		1	100.00	5.60	0.040	22.40		
	7th Cross from 1st Main to Cross Road							
		1	100.00	4.75	0.040	19.00		
	Nelamageshwaramma Temple Main Road							
		1	190.00	7.00	0.040	53.20		
						206.66	**13649.62**	**2820830.00**
							Per Cum	
	CSR of 2016-17							
	Basic Rate	12877.00						
	Add A.W. 6%	772.62						
	TOTAL	**13649.62**						
11	Add Plastic to Bituminous Concrete 8% of Bitumen							
	Qty Vide Item No: 10					206.66	**Cum**	
	8 % of the (206.66*8%)=16.532*141 kg					**2331.01**		
						2331.01	**27.00**	**62937.32**
							Per Kg	

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	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
12	KSRRB M800-13 Road Markig with Hot Applied Thermoplastic compound with Reflectirising glass beads on Bituminous suface:- Providing and laying of Hot applied thermoplastic compund 2.5mm thick including reflectorising glass beads at 250gm/sqm area thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35 the finished surface to be level uniform and pre firm streads and holes complete as per specficaions(P.No.185,I.No.24.15 of KPWD S.R2016-17)							
	1st Main Road NH4 Service road to Nelamageshwaramma Temple Main							
		2.5	431.00		0.150	161.63		
	6th Cross from 1st Main to CC Road							
		2.5	100.00		0.150	37.50		
	7th Cross from 1st Main to Cross Road							
		2.5	100.00		0.150	37.50		
	Nelamageshwaramma Temple Main Road							
		2.5	190.00		0.150	71.25		
						307.88	**542.72**	**167090.00**
							Per Sqm	
	CSR of 2016-17							
	Basic Rate		512.00					
	Add A.W. 6%		30.72					
	TOTAL		**542.72**					
13	KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, die-cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications (Page No.189 I.No.24.41 of KPWD S.R 2016-2017)							
	1st Main Road NH4 Service road to Nelamageshwaramma Temple Main Road							
	6th Cross & 7th Cross		820.00			820.00		
						820.00	**359.34**	**294659.00**
							Per No	
	CSR of 2016-17							
	Basic Rate		339.00					
	Add A.W. 6%		20.34					

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	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	TOTAL		**359.34**					
14	Lead charges for conveying the excavated earth including loading and unloading upto 10kms as per directions (Page No.140 SL.No.5 of KPWD S.R 2016-17)							
	Qty.vide item No.2					496.80		
	Limited to					**496.80**	**106.00**	**52661.00**
							Per Cum	
	for 10 Kms 2.5x 1.28x10=32		32.00					
	Loading & Unloading charges		68.00					
	CSR of 2016-17		100.00					
	Basic Rate		100.00					
	Add A.W. 6%		6.00					
	TOTAL		**106.00**					
						SubTotal		**4947960.32**
15	Q.C 1% Charges							**50000.00**
16	Miscelleneous & other unforseen charges					LS		**2039.68**
						GRAND TOTAL Rs.		**5000000.00**

CERTIFICATE

1 The work spot have been inspected by me and work is found to be necessary.
2 This estimate is prepared as per CSR of 2016-17
3 This work is not split up
4 The provisions were made in this estimate are adequete and essential
5 This works comes under BBMP Limits

Asst.Engineer
Ward No.15

Asst.Executive Engineer
Dasarahalli Sub Division
B.B.M.P.

Executive Engineer
Dasarahalli Division
B.B.M.P.

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ಸಂ.EE/PP/AS/639/17-18

23-12-17

[Rs. 50.00 lakhs] Rupees fifty lakhs only

ಮೊದಲು/ಪಟ್ಟಿಗೆ ಅವಶ್ಯಕವಾದ ಕ್ರಮ ಜರುಗಿಸಲು ನೀಡಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ಸಂಖ್ಯೆ: CE/TS/423/2017-18 30-12-2017

ರೂ. 50.00

Rs fifty lakhs only

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ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಜಿ.ಬಿ.ಎಂ.ಪಿ
ದಾಸರಹಳ್ಳಿ [illegible]

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